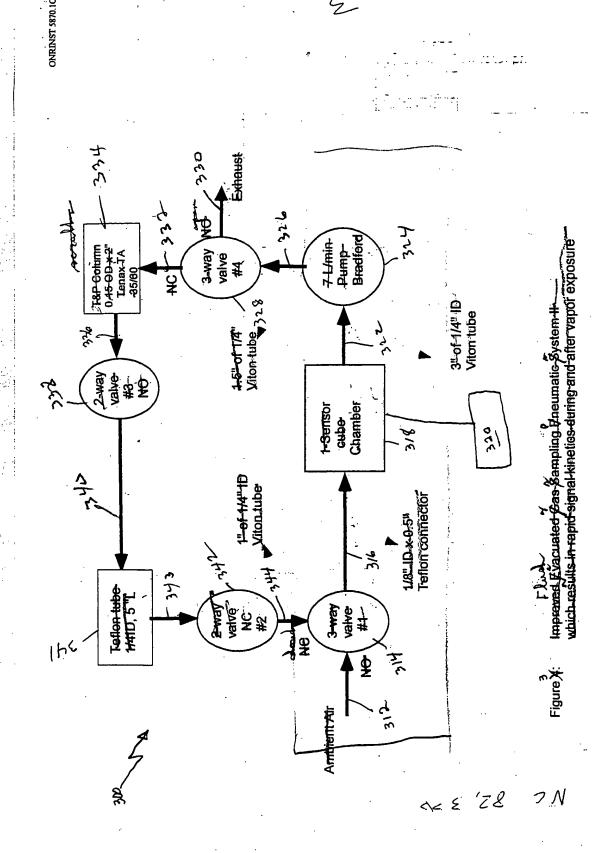


F29.2

VALVE 102 OPEN PUMP 1/2 ON STATUS DETECT **BASELINE** TIME, sec 0,5

purp is always on



Valve #1 and		/
Pump (max Flow rate) on	94.73.4777 v	Partial , evacuation
Valve #2 #4 On		Complete Evacuation
	alve #1 and imp (max Flow rate) on	५०५ Prior Sampling
By	Evacuation 408 # 410	Sampling 406
0 5 10	0 15 20	Time (Sec)

Figure 5: Gas Sampling/Detect Timing Diagram of pneumatic system II

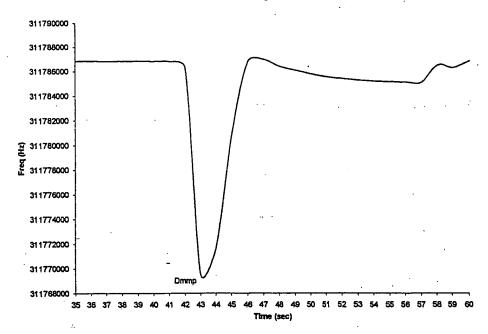


Figure Z. SAW Sensor Response Showing Fast Signal Response & Recovery Kinetics By Incorporating Pressure Modulated Pneumatics & Flow Through Furging

